

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/020859

A. CLASSIFICATION OF SUBJECT MATTER

H01Q11/04(2006.01), *H01Q1/38*(2006.01), *H01Q21/24*(2006.01)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H01Q11/04(2006.01), *H01Q1/38*(2006.01), *H01Q21/24*(2006.01)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2006
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

IEEE, WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 1999-017377 A (NEC Corp.), 22 January, 1999 (22.01.99), Par. Nos. [0024] to [0026]; Figs. 1, 2 & EP 888040 B1 & NO 9802940 A & US 6218610 B1 & DE 69831700 E	1
Y A	JP 2001-251132 A (Sharp Corp.), 14 September, 2001 (14.09.01), Abstract; Figs. 1, 2, 10, 11 (Family: none)	1-9, 12-18 10, 11, 19, 20
Y A	JP 1999-308044 A (Yokowo Co., Ltd.), 05 November, 1999 (05.11.99), Par. No. [0012]; Figs. 1, 3, 8(a) (Family: none)	1-9, 12-18 10, 11, 19, 20

 Further documents are listed in the continuation of Box C. See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance

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"&" document member of the same patent family

Date of the actual completion of the international search
07 February, 2006 (07.02.06)Date of mailing of the international search report
21 February, 2006 (21.02.06)Name and mailing address of the ISA/
Japanese Patent Office

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PCT/JP2005/020859

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 1991-267804 A (National Institute of Information and Communications Technology), 28 November, 1991 (28.11.91), Claims; all drawings (Family: none)	5, 16
Y	JP 1998-319117 A (Sekisui Chemical Co., Ltd.), 04 December, 1998 (04.12.98), Par. Nos. [0001], [0008], [0010], [0028]; all drawings (Family: none)	9, 12
Y A	WO 2003/021824 A1 (Anritsu Corp.), 13 March, 2003 (13.03.03), Figs. 10, 11 & US 2004-012529 A1 & EP 001422846 A1 & JP 2003-526033 A1 & US 006839032 B2 & CN 001633766 A	1-9, 12-18 10, 11, 19, 20
A	JP 2005-525735 A (Honeywell International Inc.), 25 August, 2005 (25.08.05), Abstract; Par. Nos. [0022] to [0024]; Fig. 7 & US 6768469 B2 & WO 03-096480 A1 & AU 2003-228241 A1 & EP 001504496 A1	1